

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P637613

Luminaire Tested: **IFLD-S-SA3B-735-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637613
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-735-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

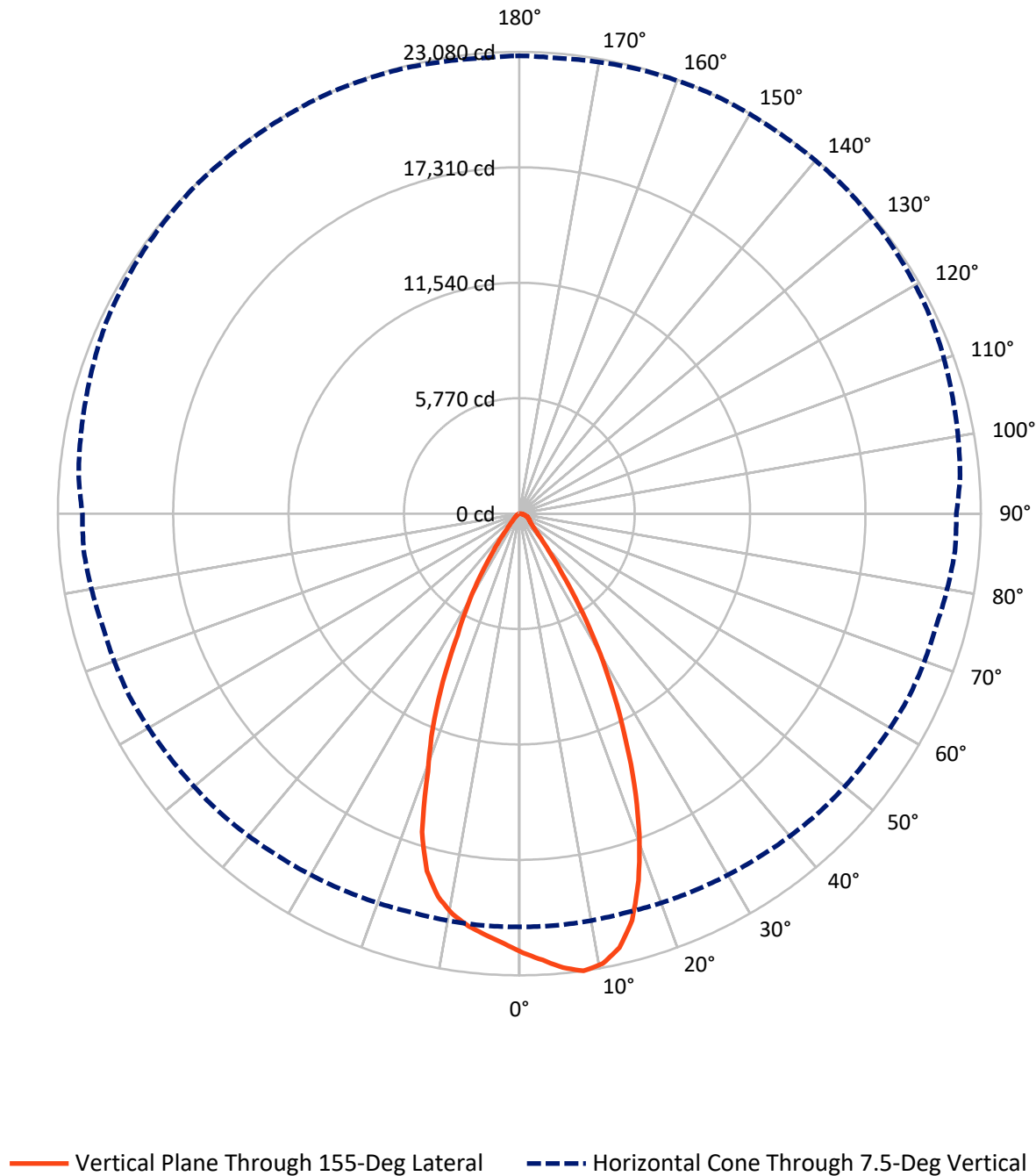
Lumens per Lamp: N/A
Luminaire Lumens: 15764.7 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 122.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



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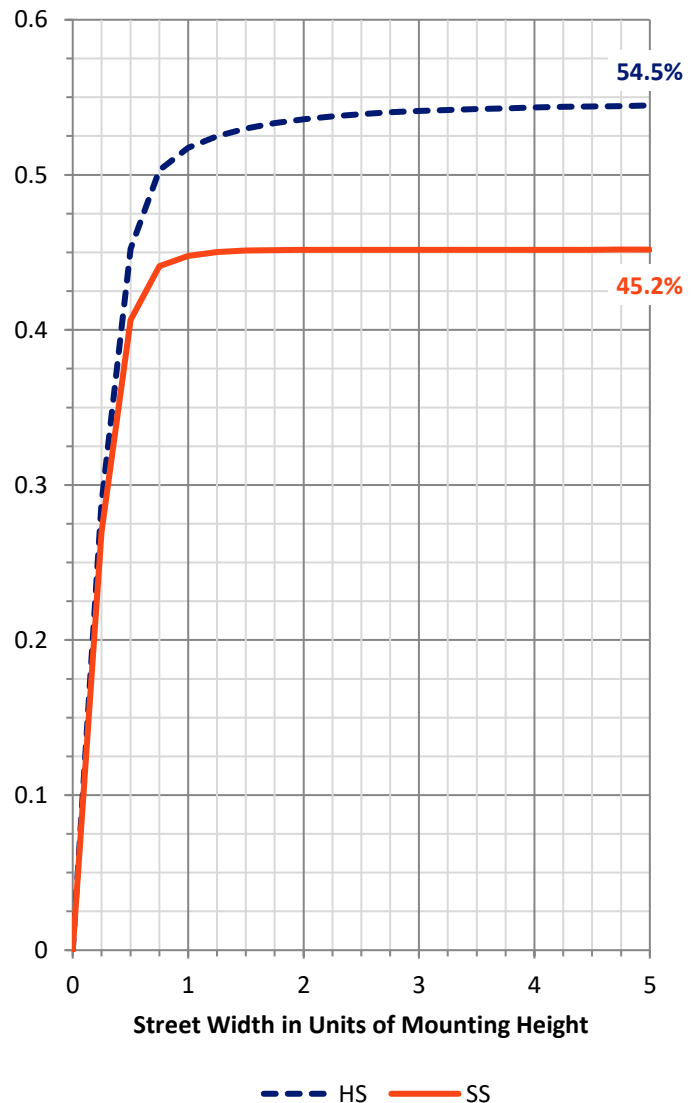
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8702.7	0.0	8702.7
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	7062.0	0.0	7062.0
	% Fixture	44.8	0.0	44.8
Total	Lumens	15764.7	0.0	15764.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2094.2	13.3
10°-20°	5430.2	34.4
20°-30°	4975.6	31.6
30°-40°	2010.1	12.8
40°-50°	589.7	3.7
50°-60°	329.7	2.1
60°-70°	200.3	1.3
70°-80°	101.7	0.6
80°-90°	33.3	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	15764.7	100.0
0°-180°	15764.7	100.0

Coefficient of Utilization



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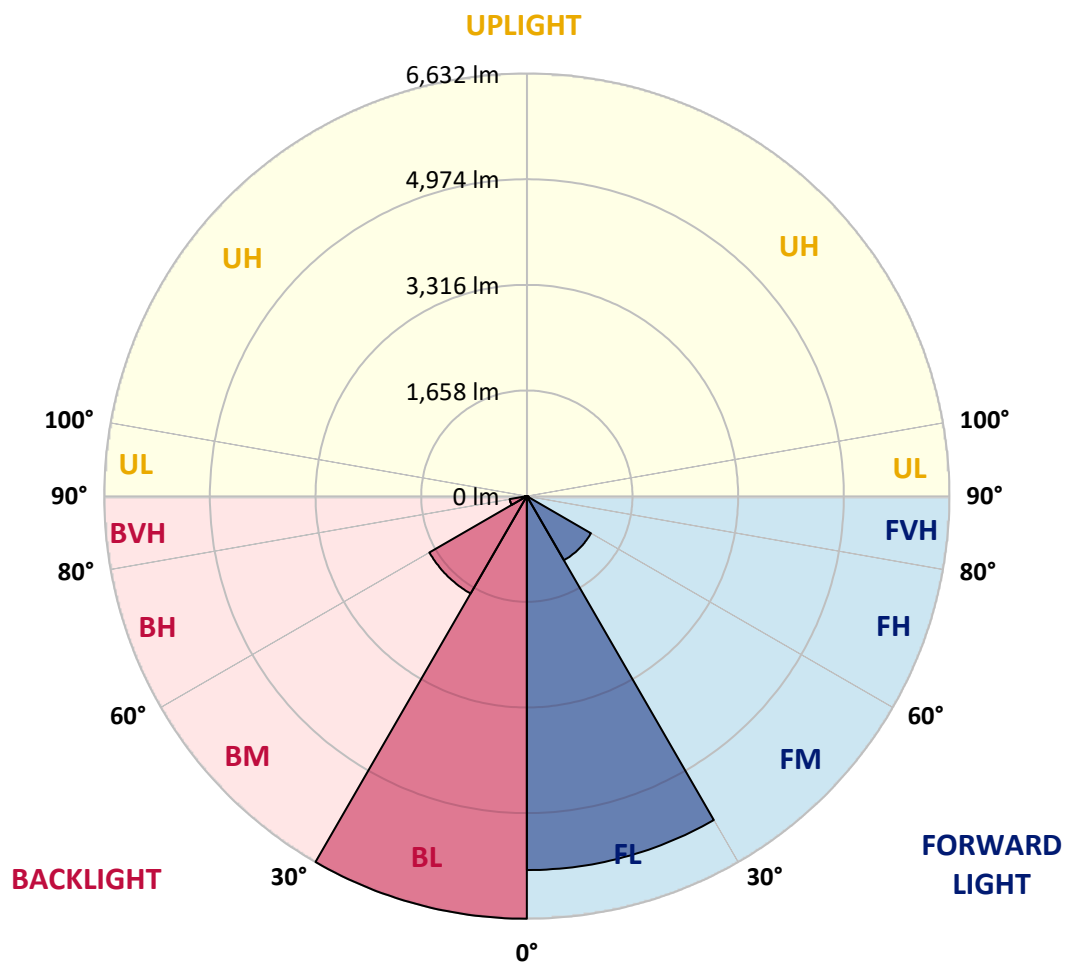
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5868.0	37.2			
FM	(30°-60°)	1162.9	7.4			
FH	(60°-80°)	28.2	0.2			G0/660
FVH	(80°-90°)	2.9	0.0			G0/10
BL	(0°-30°)	6631.9	42.1	B5		
BM	(30°-60°)	1766.6	11.2	B2/2500		
BH	(60°-80°)	273.8	1.7	B1/500		G1/500
BVH	(80°-90°)	30.4	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	21961.5	21961.5	21961.5	21961.5	21961.5	21961.5	21961.5	21961.5	21961.5	21961.5
2.5°	21485.2	21557.9	21412.5	21508.8	21583.4	21761.5	21776.1	21837.9	21859.7	22021.5
5°	21078.0	21134.4	21016.2	21145.3	21250.7	21408.9	21530.7	21701.5	21796.1	21986.9
7.5°	20654.5	20667.2	20643.5	20779.9	20938.0	21156.2	21307.1	21530.7	21588.8	21861.5
10°	20141.8	20049.1	20094.6	20294.5	20530.8	20865.3	20968.9	21192.5	21296.2	21574.3
12.5°	19323.8	19371.1	19314.7	19569.2	19765.5	20145.5	20254.5	20479.9	20678.1	20923.5
15°	18171.3	18144.0	18258.5	18456.7	18669.4	18971.1	19147.5	19392.9	19543.7	19798.2
17.5°	15580.8	15673.5	16146.2	16642.5	17078.7	17431.4	17642.3	17845.9	17954.9	18231.3
20°	13455.8	13339.4	13403.0	13683.0	14924.6	15464.5	15686.3	15735.3	15780.8	15998.9
22.5°	11079.8	11041.6	11254.3	11568.8	11863.3	13108.5	13410.3	13295.8	13390.3	13595.7
25°	8227.6	8420.3	8609.4	9212.9	9594.6	10205.4	10778.1	10829.0	10863.5	10992.6
27.5°	6697.0	6629.7	6626.1	6795.1	7358.7	7867.7	8354.9	8467.6	8447.6	8571.2
30°	5264.5	5242.7	5166.3	5206.3	5150.0	5602.6	5831.7	6295.2	6269.8	6273.4
32.5°	3797.5	3715.7	3684.8	3744.8	3686.6	3644.8	3844.8	4368.3	4359.2	4395.6
35°	2297.8	2286.9	2312.3	2365.0	2248.7	2245.0	2286.9	2779.5	2839.5	2897.7
37.5°	1268.9	1258.0	1278.0	1472.5	1434.3	1399.7	1410.7	1670.6	1843.3	1886.9
40°	836.2	834.4	848.9	883.5	948.9	936.2	941.6	1058.0	1221.6	1259.8
42.5°	559.9	561.7	570.8	610.8	619.9	685.3	674.4	701.7	854.4	887.1
45°	447.2	445.4	450.8	432.6	443.6	510.8	518.1	519.9	650.8	670.8
47.5°	352.7	352.7	358.1	334.5	329.0	370.8	409.0	414.5	519.9	547.2
50°	247.2	247.2	274.5	263.6	276.3	289.0	330.8	336.3	425.4	454.5
52.5°	181.8	185.4	189.1	190.9	232.7	230.9	267.2	292.7	321.8	372.7
55°	138.2	141.8	132.7	141.8	172.7	192.7	200.0	236.3	256.3	312.7
57.5°	90.9	100.0	92.7	109.1	116.3	149.1	160.0	194.5	207.2	256.3
60°	12.7	14.5	23.6	76.3	81.8	98.2	123.6	154.5	167.2	209.1
62.5°	1.8	1.8	5.5	12.7	54.5	65.4	92.7	107.3	123.6	156.3
65°	0.0	0.0	1.8	3.6	10.9	38.2	47.3	58.2	85.4	112.7
67.5°	0.0	0.0	1.8	3.6	5.5	12.7	20.0	38.2	49.1	78.2
70°	0.0	0.0	1.8	3.6	5.5	7.3	10.9	14.5	29.1	45.4
72.5°	0.0	0.0	1.8	3.6	5.5	7.3	9.1	10.9	12.7	29.1
75°	0.0	0.0	1.8	3.6	5.5	9.1	10.9	10.9	10.9	12.7
77.5°	0.0	0.0	1.8	3.6	7.3	10.9	12.7	10.9	9.1	9.1
80°	0.0	0.0	1.8	5.5	9.1	12.7	14.5	10.9	7.3	5.5
82.5°	0.0	0.0	1.8	5.5	9.1	12.7	14.5	12.7	7.3	5.5
85°	0.0	0.0	1.8	5.5	7.3	9.1	14.5	12.7	7.3	3.6
87.5°	0.0	0.0	0.0	1.8	1.8	3.6	7.3	5.5	3.6	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
21961.5	0°	21961.5	21961.5	21961.5	21961.5	21961.5	21961.5	21961.5	21961.5	21961.5
22017.8	2.5°	22181.5	22263.3	22406.9	22446.9	22570.5	22428.7	22350.5	22357.8	22188.7
21963.3	5°	22181.5	22368.7	22619.6	22739.5	22830.4	22823.2	22803.2	22752.3	22628.6
21854.2	7.5°	22123.3	22428.7	22774.1	22934.0	23043.1	23034.0	23079.5	22997.7	22846.8
21659.7	10°	21936.0	22201.4	22626.8	22757.7	22934.0	22937.7	22881.3	22897.7	22628.6
20948.9	12.5°	21347.1	21554.3	21927.0	22076.0	22290.5	22325.1	22263.3	22239.6	21985.1
19783.7	15°	20207.3	20327.2	20701.7	20850.8	21063.5	21034.4	21096.2	21070.7	20847.1
18209.4	17.5°	18540.3	18578.5	18971.1	19096.6	19296.5	19374.7	19282.0	19400.1	19207.4
16037.1	20°	16149.8	16355.2	16797.0	16989.7	17106.0	17246.0	17124.2	17256.9	17031.5
13401.2	22.5°	13724.8	13846.6	14246.5	14524.7	14741.0	14768.2	14722.8	14815.5	14511.9
11078.0	25°	11076.2	11278.0	11594.3	11957.8	12170.5	12301.4	12183.3	12243.2	12194.2
8591.2	27.5°	8736.6	8916.6	9154.7	9425.6	9745.5	9916.4	9821.9	9923.7	9683.7
6406.1	30°	6411.6	6502.5	6771.5	7058.7	7409.6	7616.8	7625.9	7729.5	7587.7
4488.3	32.5°	4521.0	4601.0	4766.4	4957.3	5291.8	5522.6	5486.3	5500.8	5413.6
2924.9	35°	2939.5	3046.7	3164.9	3255.8	3457.6	3712.1	3692.1	3673.9	3613.9
1923.3	37.5°	1965.1	2006.9	2072.4	2154.2	2285.0	2445.0	2497.7	2432.3	2406.8
1297.9	40°	1328.9	1401.6	1445.2	1507.0	1568.8	1703.3	1739.7	1727.0	1701.5
908.9	42.5°	943.5	999.8	1054.4	1114.3	1147.1	1230.7	1301.6	1281.6	1270.7
690.8	45°	716.2	767.1	830.8	876.2	908.9	958.0	1025.3	1032.5	1016.2
554.4	47.5°	574.4	619.9	670.8	727.1	765.3	796.2	854.4	876.2	865.3
467.2	50°	487.2	521.7	570.8	627.2	669.0	696.2	747.1	770.8	763.5
390.8	52.5°	414.5	456.3	501.7	549.0	599.9	627.2	674.4	709.0	703.5
323.6	55°	343.6	398.1	445.4	492.6	550.8	578.1	619.9	665.3	656.2
274.5	57.5°	299.9	345.4	394.5	439.9	501.7	538.1	576.3	623.5	621.7
225.4	60°	250.9	296.3	350.8	389.0	454.5	505.4	539.9	589.0	592.6
170.9	62.5°	200.0	256.3	298.1	350.8	410.8	470.8	503.5	552.6	570.8
130.9	65°	149.1	210.9	258.1	310.9	367.2	434.5	463.6	512.6	530.8
94.5	67.5°	110.9	158.2	218.1	263.6	327.2	385.4	419.9	465.4	478.1
56.4	70°	83.6	121.8	181.8	221.8	287.2	334.5	369.0	403.6	419.9
38.2	72.5°	49.1	90.9	143.6	190.9	247.2	287.2	312.7	339.9	350.8
18.2	75°	34.5	69.1	112.7	158.2	200.0	232.7	256.3	279.9	290.9
9.1	77.5°	18.2	50.9	89.1	127.2	156.3	183.6	207.2	225.4	232.7
7.3	80°	10.9	36.4	72.7	100.0	120.0	143.6	167.2	180.0	178.1
5.5	82.5°	7.3	29.1	52.7	72.7	87.3	105.4	121.8	130.9	130.9
3.6	85°	5.5	20.0	36.4	56.4	58.2	72.7	76.3	85.4	87.3
3.6	87.5°	3.6	12.7	20.0	32.7	30.9	38.2	40.0	45.4	49.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
21961.5
22052.4
22668.6
22881.3
22550.5
21927.0
20918.0
19160.2
17013.3
14470.1
12163.3
9745.5
7613.2
5462.7
3561.2
2401.4
1705.1
1261.6
1014.4
859.8
761.7
699.9
656.2
619.9
592.6
569.0
529.0
478.1
416.3
347.2
287.2
230.9
176.3
129.1
85.4
47.3
0.0

(END OF REPORT)